BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division

SCHDULE-B

Name of Work:Drilling of Borewell in Ward No 14, Bagalagunte T.Dasarahalli Sub Division

Sl	Description of Work	Unit	Qty	Sanctioned Rates	
				In figures (Rs)	In Words (Rs)
1	2	3	4.00	5.00	6
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories	Rmtr	2.00	1938.46	Rupees One Thousand nine hundred thirty Eight & Forty Six Paise Only
2	Sinking Borewell of 165mm dia clear, using fast rig in all strata including over-burden upto 20mts. Fixing of casing Pipes, collars and cap with necessary cutting and threading including, transportation of Rig and supporting vehicle, crew charge and cost of consumbles, etc, complete including yield testing at the final depth with a minimum woring of compressor for one hour.	Rmtr	100.00	315.18	Rupees Three hundred fifteen & Eighteen Paise Only
		Rmtr	100.00	412.00	Rupee Four Hundred twelve Only
		Rmtr	100.00	458.35	Rupees Four hundred Fifty eight & Thirty Five Only
		Rmtr	100.00	484.10	Rupees Four hundred Eighty Four & ten Paise Only
		Rmtr	100.00	560.32	Rupees Five hundred sixty & Thirty two Paise Only
		Rmtr	100.00	600.49	Rupees Six hundred & Forty Nine Paise Only

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3	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty.	Rmtr	80.00	1325.00	Rupees One thousand Three hundred twenty Five only
		Rmtr	20.00	45.90	Rupees Forty five & Ninty Paise Only
		Rmtr	40.00	91.80	Rupees Ninety one & Eighty Paise Only
4	175mm M.S. B-Class Casing Collar	Nos	10.00	150.00	Rupees One hundred Fifty Only
5	175mm dia Casing Cap	Nos	2.00	100.00	Rupees One hundred Only
6	Supply and delivery at site brand new submesible PUMPSET suitable for bore well of 150 mm dia and having declared duty conditions as detailed below and satisfying performances characteristics for pump and motor as declared by bureau of Indian standards. The pump should confirm to IS:8034-1970 (with all its latest amendments) and should bear the ISI mark 12.5 HP 25 stage	Set	2.00	68472.00	Rupees Sixty eight thousand four hundred Seventy two Only
7	Supply and Delivery of Galvanized Mild steel Heavy Class (C-Class) conforming to IS 1239 1979 PART-I/1979 with lastest amendments with ISI mark (one end fitted with ISI mark heavy duty collar and other end fitted with Protective cover) 50 mm dia	Mtr	580.00	519.30	Rupees Five hundred Nineteen & Thirty Paise only
8	submersible Cable: Supply and Delivery of brand new best make PVC insulated cable of flat 3core (sheathed) of nominal cross sectional area containing to IS 894-1997 with latest amendments (as per SPD) 4 Square mm	Mtr	1160.00	105.60	Rupees One hundred five & Sixty Paise only
9	50 mm dia GI Collar Heavy duty	Mtr	96.00	130.00	Rupees One hundred thirty only
10	Meter and Panel Board: Supply and Delivery of Meter and Panel Board: Meter Board unit one number of MS Box of size 300x120 mm size fabricated out of 2mm thick sheet metal with sealable door arrangement for munting the CTS (if any) cutouts 3phase dia 4 wire energy meter and cable box complete. A transparent glass piece should be provided where the energy meter reading could be read. Panel Board: One number of cubicle type of control panel board to operate on 50c/400/400v Upto 10 to 20 HP	Nos	2.00	11000.00	Rupees Eleven thousand only
11	50mm dia G.I.N.R. Valve	Nos	2.00	856.00	Rupees Eight hundred fifty Six only

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12	Erection & Commissioning of work of pumpset including aligning and balancing with all necessary erection of materials and labour including supply and erection of two pair of supporting clamps, one borewell cap, cable clips and water tight gland cable protectors, bolts nuts valves and gauges etc, all job including fixing sluice valve, non return valve etc, and connecting delivery side of pumpset to rising main etc, complete.	Nos	2.00	850.00	Rupees Eight hundred fifty Only
13	Power Capacitor: Supply and Delivery of brand new best make capacitor conforming to IS:2834-1986 with latest amendments with ISI mark of required capacity tested and approved by KPTCL anthorities and erection, electrification and commissioning of the same at the location of the respective pumpsets. Supply & Delivery of best indigenous brand new MCB (Miniature Circutit Breaker) of required capacity as per IS:8828-1978 and its latest amendment with ISI mark 6/10/20/25/40 amps with sealble	Mtr	2.00	460.00	Rupees Four hundred Sixty Only
14	Supplyin mmdia 2mm 2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive pase etc., and running before cocreting the slab. The conduit should be tiled to the reinforcement rods by using binding wires and unused ways of junction boxes and plpe ends should be covered using PVC end enclosuers. Run with 18SWGGI fish wire	Nos	20.00	44.28	Rupees Forty four & Twenty Eight Paise Only
15	Supplying of TPST with rewirable porcelain channels in SM enclosure.	Nos	2.00	1468.80	Rupees One thousand four hundred sixty eight & Eighty Paise Only
16	Supplying and fixing polished wood board made of not less than 15 mm thick plan on both sides with planks made out of more than two pieces and fixing the same to the wall using wooden plugs, screws etc	Nos	4.00	307.80	Rupees Three hundred Seven & Eighty Paise Only
17	Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multistrand 2x1.5 Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box. The other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet	Rmtr	2.00	189.00	Rupees One hundred Eighty Nine only
		Rmtr	2.00	397.44	Rupees Three hundred Ninety Seven & Forty Four Paise only
18	Supplying 6 A flush/projected type socket and a 6Amps flush/projected type SP switch either surface/flush mounting in a existing gang box or a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required	Nos	2.00	114.48	Rupees One hundred fourteen 7 Forty eight Paise only

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19	Wiring for lighting /power circuit using one of PVC insulated 1100V grade multis and Copper conductor single core cable in open or concealed system of wiring	Rmtr	50.00	22.65	Rupees Twenty two 7 Sixty Five Paise Only
20	Supplying and fixing PBBC backelite straight or slant batten holder &wiring 60w/230 Volts lamps	Rmtr	6.00	60.48	Rupees Sixty 7 Forty eight Paise Only
21	Supplying and fixing of LED type panel borad indicating lamp with required colour suitable for 220 v A.C. 50 Hz 12/24v D.C	Nos	6.00	464.40	Rupees Four hundred sixty four & Forty Paise Only
22	Supplying of LT UG cable having aluminium conductor PVC insulated. Sheathed. Galvanished. Steel wire/steel tape armoured cable with PVC outer sheathing 1.1KV class (conforming to IS 1554) Class-A	Rmtr	24.00	162.00	Rupees One hundred Sixty two Paise Only
23	Lobour charges for laying of 1.1KV class UG cable when supplied departmentally/ agency in existing trench GI pipe/stoneware pipe/on wall/on pole as required	Rmtr	24.00	8.64	Rupees Eight & Sixty four Paise Only
24	Digging of trench of 0.6mtrs deepx0.5 mtrs wide refilling the required gorund level and consolidating etc., complete	Rmtr	16.00	43.20	Rupees Forty three & Twenty Paise only
25	Supplying and fixing of class 'A' GI pipe on pole /wall/drain crossing with necessary clamping arrangement for UG cable of 1.1KV class	Rmtr	12.00	259.20	Rupees Two hundred Fifty Nine & Twenty paise Only
26	Supplying and fixing of heay duty cable glands suitable for UG cable of 1.1KV class metal only	Nos	2.00	71.28	Rupees Seventy One & Twenty eight Paise Only
27	Supplying and fixing miniature circuit breakers on existing MCB disitribution boards using necessary fixing materials and wiring complete as required	Nos	2.00	1085.40	Rupees One Thousand Eighty Five 7 Forty Paise Only
28	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete	Nos	10.00	108.00	Rupees One hundred & Eight Only
29	Supplying and fixing L.T. cast Iorn pot heads suitable for 1.1. KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc	Nos	2.00	280.60	Rupees Two hundred Eighty & Sixty Paise Only
30	Supplying, fixing, wiring, earth electrode for gounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checkunts etc., the pipe shall have 16 through holes of 122mm dia	Nos	2.00	2106.6	Rupees Two thousand One hundred six & Sixty Paise Only

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39	Supply and Delivery of Galvanized Mild steel Heavy Class (C-Class) conforming to IS 1239 1979 PART-I/1979 with lastest amendments with ISI mark (one end fitted with ISI mark heavy duty collar and other end fitted with Protective cover) 50 mm dia	Mtr	1200.00	519.30	Rupees Five hundred Ninteen & thirty Paise Only
40	submersible Cable: Supply and Delivery of brand new best make PVC insulated cable of flat 3core (sheathed) of nominal cross sectional area containing to IS 894-1997 with latest amendments (as per SPD) 4 Square mm	No.s	4800.00	105.90	Rupees One hundred Five & Ninety Paise only
41	Labour charges for erection of new / repaired submersible pump set along with GI pipes (50/32mm), SM cable including transporation for 3 HP to 20 HP and for all depths	No.s	2400.00	88.00	Rupees Eighty Eight Only
42	Motor base with pin	No.s	40.00	407.00	Fupees Four hundred Seven Only
43	Upper flange	No.s	50.00	330.00	Rupees Three hundred thirty Only
44	Lower housing	No.s	40.00	539.00	Rupees Five hundred thirty Nine Only
45	Studs and nuts	No.s	100.00	88.00	Ru-pees Eighty Eight only
46	Bearing (Gun metal) centrifugally cast aluminium bronze, bearing bush	No.s	70.00	407.00	Rupees Four hundred Seven only
47	Carbon housing / Thrust bearing block assembly complete with segment bearing pad / tip carbon / ferro padding	No.s	50.00	2717.00	Rupees Two thousand Seven hundred Seventeen Only
48	Discharge outlet (DO) bearing DO steel bush DO bearing	No.s	40.00	522.50	Rupees Five hundred Twenty Two & Fifty Paise Only
49	Pump coupling	No.s	10.00	341.00	Rupees Three hundred forty one Only
50	Pump bowls	No.s	10.00	308.00	Rupees Three hundred eight only
51	Guide vane	No.s	20.00	192.50	Rupees One hundred ninety two & Fifty Paise Only
52	Intermediate piece	Nos	50.00	715.00	Rupees Seven hundred fifteen Only
53	Impeller (shell moulded with aluminium and bronze)	Nos	10.00	264.00	Rupees Two hundred Sixty four only

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